Please type a plus sign (+) inside this box  $\rightarrow$  (+)

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	for form 1449A/PTO			C	omplete if Known
TATEC	RMATION I	nte <i>c</i> r	OCTIDE	Application Number	08/943,238
				Filing Date	October 3, 1997
SIAI	TEMENT BY	APP	LICANI	First Named Inventor	Masaaki HIROKI et al.
	(use as many sheets	as necessi	לעיד.	Group Art Unit	2814
				Examiner Name	S. Rao
Sheet	1	of	1	Attorney Docket Number	0756-1724

				U.S. PATENT DOCUMENT	rs	
Examiner Inhiale	Cite No.'	U.S. Pa	tent Document	Name of Patentee or Applicant of Cited	Date of Publication of Circl Document MM-DD-YYYY	Pages, Columna, Linca. Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>†</sup> (if known)	Document	MOVEDICATION	
				1		
-	1					
	7					
		1				

				FORE	IGN PATENT DOC	UMENTS		
Sxaminer Odeisin	Cite No. <sup>1</sup>	Office	Foreign Palant Document  Kind Cod  Number  (V know		Name of Patentee or plicant of Ched Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columnu, Lines, Where Relevant Pustages or Relevant Figures Appear	T <sup>*</sup>
6U		JP	60-247603	$\neg$		12/07/1985		Abst.
<u> </u>		JР	01-121802			05/15/1989		Abst.
<del></del>	<del> </del>	JP	02-201940	1		08/10/1990	Ī	Abst.
<del></del>	t	JР	02-212818			08/24/1990		Abst.
SU	<u></u>	JР	.02-250357		1	10/08/1990		Abst.
Examiner Initials	Cits No.		Include name of the s	uthor (in C	APITAL LETTERS), tit	RATURE DOCUMENTS le of the article (when appropries, etc.), date, page(s), volume, where published.	riate), title of the rissue number(s),	T²
			· · · · · · · · · · · · · · · · · · ·	/				
							,	
			<u> </u>		:			
							X	_
		1			: :			
Examiner	<del></del>	7			: 10	Date 0	1 -1	. ,
Signature	1 `	$\overline{}$			· 1 -	Considered	127/200	( )

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the rwo-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NO. 4371

Please type a plus sign (+) inside this box  $\rightarrow$  [+]

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitut	for form 1449A/PTO			; c	omplete if Known
TNTEO	RMATION I	)IC	OCTIDE	Application Number	08/943,238
				Filing Date	October 3, 1997
STAT	TEMENT BY			First Named Inventor	Masaaki HIROKI et al.
	(use as many sheets	as necesso	zry)	Group Art Unit	2814
				Examiner Name	S. Rao
Sheet	ı	of	1	Átturney Docket Number	0756-1724

				U.S. PATENT DOCUMENT	rs	
Examiner Initials	Çine No.'	U.S. Paters Docu	inen.	Name of Patences or Applicant of Cited	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passagus or Rulevant Figures Appear
201			tind Code <sup>s</sup> If brown)	Dotument ,		
4th		5,572,345		Yamazaki et al.	11/05/1996	
				1		

				FOREIGN PATENT	DOCUMENTS		
Examiner Initials	Che No.1	Office	Foreign Patent Decument  Kind Code  Number (Y lauve		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columna, Lines, Where Relevant Passages or Rolevant Figures Appear	7
CAN	+	JР	62-210422	· ·	09/16/1987		AB
-77	<del> </del>	ЛP	62-247330	,	10/28/1987		AB
GM	<del>,                                     </del>	JP	01-292315	:	11/24/1989		AB
	1	<u> </u>					7
	+						
		1	OTHER PRI	or art - non patent	LITERATURE DOCUMENTS		
Examiner Initials	Cite No.1		Include name of the au item (book, magazine,	ioumal scrial symposium (	3.5), title of the article (when appropriately, etc.)., date, page(\$), volum known where published.	priate), title of the s-issue number(s),	L <sub>2</sub>
_							<del>                                     </del>
1	Ì						
Examiner		77			Date	127/2004	<del></del>

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number. See attached Kinds of U.S. Patent Documents. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box  $\rightarrow$  [+]

PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number,

Substitute	for form 1449	A/PTO		c	omplete if Known
INFO	PM ATT	ON DISC	LOSURE	Application Number	08/943,238
			PLICANT	Filing Date	October 3, 1997
SIA				First Named Inventor	Masaaki HIROKI et al.
	(use as man	y sheets as neces:	(מימים	Group Art Unit	2814
				Examinor Name	S. Rao
Sheet	1	of	1	Attorney Docket Number	0756-1724

				U.S. PATENT DOCUMEN	TS	
Examiner Inkish	Cite No.'	U.S. Patent Docume	ni.	Nerce of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Ralevant Passages or Relevant Figures Appear
			Code <sup>3</sup>	1 Document	MM-DD-YYYY	
	<u> </u>	2002/0033906	A1	Hiroki et al.	03/21/2002	
	-					
L	<u></u>	1			<u> </u>	
				FOREIGN PATENT DOCUM	ENTS	

	7							
Examiner Jairials	Cite No.1	For Office <sup>3</sup>	eign Patent Doc Number <sup>d</sup>	Kind Code  (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	ť
	_				1			
	· · · ·				· ·			
	<u> </u>							
	<u> </u>	l						
					A FIRE A NOW BATCHER Y YO	erature documents		
Examiner Initials	Cite No.1	:	Include name	of the author	(in CAPITAL LETTERS), ti	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the -issue number(s),	Ţ²
		:	Include name	of the author	(in CAPITAL LETTERS), ti nal, serial, symposium, catalo	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the -issue number(s),	Ţ²
			Include name	of the author	(in CAPITAL LETTERS), ti nal, serial, symposium, catalo	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the sissue number(s),	72
			Include name	of the author	(in CAPITAL LETTERS), ti nal, serial, symposium, catalo	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the -issue number(s),	Ţ²
			Include name	of the author	(in CAPITAL LETTERS), ti nal, serial, symposium, catalo	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the -issue number(s),	Υ²
			Include name	of the author	(in CAPITAL LETTERS), ti nal, serial, symposium, catalo	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the eissue number(s),	Υ2
			Include name	of the author	(in CAPITAL LETTERS), ti nal, serial, symposium, catalo	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the -issue number(s),	Ϋ́
			Include name	of the author	(in CAPITAL LETTERS), ti nal, serial, symposium, catalo	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the -issue number(s),	Ĭ,
			Include name	of the author	(in CAPITAL LETTERS), ti nal, serial, symposium, catalo	tie of the article (when approp. g, etc.)., date, page(s), volume	riate), title of the -issue number(s),	Ĭ,

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\_\_\_\_\_ Considered

111115

RIGINAL INITIALED ON JUN/02/ 2003

Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 2 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box  $\rightarrow$  [+]

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the P	aperwork Re	duction	Act of 1995, t	o persons are	requi	ed to respond to a collection	a of				mber.
Substitu	te for form 1	449a/PT	ď			·		Complete	if Know	n	
TATEC	DM AT	LIUN	DIŞÇI	OSTIR	TR.	Application Number			08/94	3,238	
						Filing Date				er 3, 1997	
STA			Y APP		1	First Named Laventor			Masaa	ki HIROKI et a	l
	(use as n	narry she	els as necesso	(עמ		Group Art Unit			2814		
						Examiner Name			S. Rac	)	
Sheet	1	of 1				Attorney Docket Number			0756-	1724	
					Ţ	S. PATENT DOCUM	EN	TS	•		
Examiner Initials	Çile No. <sup>1</sup>		U.S. Patent Doc		Nып	e of Patence or Applicant of Gi	ıed	Date of Publication Document MM-DD-YY	•	Pages, Columns, Lines, Pageages or Relevant	
/	<u></u>	Numb		Kind Code <sup>3</sup> ((f known)		1				-	
						1				ļ	
								ļ			
		<u> </u>			$\geq$	$\leq$			-		
								ļ			
		1	<u> </u>								·
					FOR	EIGN PATENT DOC	UM	ENTS			7
Examiner Initials	Cite No.1		Foreign Patent	Document		Name of Patenice or	Т	Ase of Publication of Ci Document	W <sub>b</sub>	ages, Columns, Lines, ere Relevam Passages or	
	1	Office	Number	Kind Code		Applicant of Cited Document		MM-DD-YYYY	R	elevant Figures Appear	7"
		JP	60-23740	)3			1	1/26/1985			Ab
		JP	02-0246	)4			0	1/26/1990			Ab
		JP	02-0443	14			0	2/14/1990			Ab
•		JР	04-2685	36			_	9/24/1992		<u> </u>	Ab
		JР	11-3118	05			1	1/09/1999			Ab
				TOWN BOS	OB 41	! RT - NON PATENT LITE	TD A	TURE DOCUMEN	TŜ	····	!
Examiner Initials	Cite No.1		Include B	me of the su	thor (i	CAPITAL LETTERS), tit	le of	the article (when sp.	propriete),	title of the number(s),	Ta
		<u> </u>			P	ublisher, city and/or country	y wh	ere published.			
_	Τ.										1
		<u> </u>	_			}					

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	No.¹	No. 1 item (book, magazine, journal, serial, symposium, catalog, etc.), care, page(3), volume-taste number(3), publisher, ciry and/or country where published.

Examiner DUPLICATE - DO NOT Date Considered INITIAL

ORIGINAL INITIALED ON 09/25/2003

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Parent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box  $\rightarrow$  [+]

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB cours in number.

08/943,238
1 00/943,230
October 1, 1997
Masaaki HIROKI et al.
2814
S. Rao
0756-1724
-

				U.S. PATENT DOCUMEN	TS		
Examiner Initials	Cite No.1	U.S. Palent Document		. Nume of Patence or Applicant of Cited.	Date of Publication of Cired Document	Pages, Columns, Lines, Where Relevi Passages or Relevant Figures Appea	
		Number	Kind Code <sup>2</sup> (If brown)	Document	MM-DD-YYYY		
		4,648,691		Oguchi et al.	03/10/1987		
		ļ	1	.   <u></u>	1.		

				)F1	OREIGN PATENT DOC	UMENTS		
Examiner lairials	Cine No.1	Foreign Parent Document  Kind Code <sup>1</sup> Officer Number (If Innum)		Name of Pasenses or Applicant of Cited Document	Duce of Publication of Cited Document MM-DD-YYYY	Pages, Cohmus, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>	
		Q/dra						
		JP	56-094386			07/30/1981		Abstract
		ЛР	62-219574	<u> </u>		09/26/1987		Abstract
	1	JР	63-237571		L.:	10/04/1888		Abstract
<u> </u>		Ъ	02-282728		1	11/20/1990		Abstract
	Τ	JP	03-012637	*	i	01/21/1991		Abstract
		JР	64-018266			01/23/1989		Abstract
			QT.	her prior	art – non patent lite	RATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the izem (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.						T <sup>2</sup>
•					MOS Array with Plate." SID 81 DIGEST, p		odes for Reflective	English
N-V					60 Element Active M Ts. 7 SID 84 DIGEST,			English
		Colo	or Liquid Cr	ystal Disp	lay, pp. 162-163, Dec	ember 14, 1990.		Concise Stmt.
		Flat	Panel Displ	ay 1991, p	pp. 66-67, January 1, 1	1991.		Concise Stmt.
		Flat	Panel Displ	ay 1992, p	p. 100-101, Novembe	er 19, 1992.		Concise Strnt.

		_
Examiner \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 1 1 - 1 1 Date   1 0 0 1 0 1 -	
	$I \times I T I A I Date I T I O I I C ATC$	
	(10     KILConsidered   d) U F C L CAT   C	
Signature DO V	(14 ) / Augustusian (15 )	_

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or dot citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

ORIGINAL INTIALED INTIALED II/13/2003

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>1</sup> Applicant is to place a check mark here if English language Translation is attached.

NO. 4371 P. 18

orm P10- Rev. 8-8		t of Commerce	Attorney Docket No. 0756-1724		Serial No. Not	Yet Assign	ed
	ORMATION DISCLOSURE STA		Applicant: Masaaki HIROKI et al,				
	(Use several sheets if necessary)	)			1		
		    	Filing Date: October 3, 1997		Group: 2609		
		U.S. PATEN	T DOCUMENTS				
xaminer nitial	Document Number	Date	Name	Class	Subclass	Filing Da (if approp	
SM	4,660,030	4/21/87	Maezawa	345	96		
	4,873,516	10/10/89	Castleberry	345	92		
	5,196,839	3/23/93	Johary et al.	345	148		
	5,408,246	4/18/95	Inaba et al.	345	89	2/1990	
	5,414,443	5/9/95	Kanatani et al.	345	89	4/1990	
	4,973,135	11/27/90	Okada et al.	345	92		
	5,142,272	8/1992	Kondo	345	186		
	4,021,607	5/3/77	Amano	345	148		
	4,649,432	3/10/87	Watanabe et al.	345	148		
	4,743,096	5/10/88	Wakai et al.	345	89		
BL	4,752,774	6/21/88	Clerk et al. ( CLECC clay	345	89		
	F'(	OREIGN PATI	ENT DOCUMENTS				
	Document Number	Date	Country	Class	Subclass	Transl: Yes	ation N
GL	0 349 415	3/1/90	EP Japan			Abst, only	X
T	63082177	12/4/88					
gr.	0144297	12/1978	Japan	340	784		
	OTHER DOCUMENT	TS (Including A	uthor, Ticle, Date, Pertine	nt Pages,	Etc.)		
61	IBM Technical Disclosure Bulle Method for TFT/LCD Grayscale		B, November 1990, New York	, pgs. 384-	385, XP00010	3914, "Dri	ving
-		i					
(I)	MOLECULAR CRYSTALS AND 67-74, XP0001692922, G.PM Mo by Dual Frequency Addresing	ontgomery et al. "I	S (INC. NONLINEAR OPTICS mproving Multiplexability of	), Vol., 185 Polymer-Di	, August 1990 ispersed Liqui	, Chur, Cl id Crystal	l pg Film
Examiner			Date Considered	1/27	2000	<del></del> ).	
	FD. Initial if citation considered whether		<u></u>	* //	1		

Sheet 2 Porm PTO-1449 U.S. Department of Commerce Patent and Trademark Office Altorney Docket No. 0756-1724 Serial No. Not Yel Assigned (Rev. 8-83) INFORMATION DISCLOSURE STATEMENT Applicant: Masaaki HIROKI et al. (Use several sheets if necessary) Filing Date: October 3, 1997 Group: 2609 U.S. PATENT DOCUMENTS Examiner **Document Number** Date Name Class Subclass Filing Date Initial (if appropriate) 4,897,639 1/90 Kanayama 345 148 5/4/76 340 3,955,187 **Bigelow** 784 1/24/84 Williams 784 4,427,978 340 5/3/88 Gillette et al. 4.742,346 340 784 4,818,981 4/4/89 Oki et al. 359 59X 6/20/89 4,841,294 Clerc 340 793 2/25/92 5.091,722 Kitajima et al. 359 55 10/3/88 10/5/93 Misawa et al. 5,250,931 7/1994 Wakai et al. 359 4/1993 5,327,001 2/1996 Yamazaki et al. 359 59 4/1994 5,495,353 ST Súsaki et al. 1/1992 359 59 10/1989 5,084,905 FOREIGN PATENT DOCUMENTS **Translation** Date Country Class **Subclass Document Number** Yes No 81 340 784 0068732 9/1989 Japan 6/20/89 X Japan 1156725 784 12/1978 340 Japan 0144297 340 784 3/1989 Japan 0068724 784 340 6/21/89 EP 0321073 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) 09 **Date Considered** Examiner \*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in

PAGE 19/21 \* RCVD AT 9/27/2004 3:11:04 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-3/24 \* DNIS:2731718 \* CSID:571 434 9499 \* DURATION (mm-ss):05-14

Sheet <u>3</u> of <u>4</u>

Form PTO-		Copmerce ck'Office	Attorney Docket No. 0756-1724		Serial No. Not	Yet Assigned	
INFO	RMATION DISCLOSURE STATEM	ENT	Applicant: Masaaki HIROKI et al.				
	(Use several sheets if necessary)	:	Filing Date: October 3, 1997	-	Group: 2609		
	π.s	PATEN	T DOCUMENTS		l		
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
81	5,055,899	10/1991	Wakai et al.	359	59	4/1990	
	5,051,570	9/1991	Tsujikawa et al.	359	59	1/1990	
	4,938,565	7/1990	lchikawa	359	59		
	5,003,356	3/1991	Wakai et al.	359	· 59		·
	5,012,228	4/1991	Masuda et al.	350	333		
	4,818,077	4/1989	Ohwada et al.	350	333x		
	4,680,580	7/1987	Kawahara	350	784		
	4,949,141	8/1990	Busta	357	23.7		
	4,103,297	7/1978	McGrievy et al.	350	334x		
SIL	5,056,895	10/1991	Kahn	359	<u> </u>	5/21/90	
		IGN PAT	ENT DOCUMENTS				}
	Document Number	Date	Country	Class	Subclass	Translation Yes No	_
SIL	0051129	2/1990	Japan	340	784		]
	1130131	-5/1989	Japan	340	784		
	61-141174	:6/28/86	Japan			X	
	55-32026	3/6/80	Japan			X	
81	2-234134	9/1990	Japan			X	
-	OTHER DOCUMENTS	(Including	Author, Title, Date, Pertin	ent Pages,	Etc.)		
				<u> </u>			
		. /					
Examine		,	Date Considered 0	1/21 2	7 2009	1	
*EYAMIN	NER: Initial if citation considered, whether of sance and not considered. Include copy of the	not citation	is in conformance with MPE	P 609; Drav icant	v line through	citation if not	in

NO. 4371 P. 21

				V	Sheet	of_	4
Form PTO-: (Rev. 8-8:		of Commerce mark Office	Attorney Docket No. 0756-172	4	Serial No. Not	Yet Assign	ed
INFC	ORMATION DISCLOSURE STAT	ement 	Applicant: Massaki HIROKI et	eL			
	(one desert offers It meressary)		Filing Date: October 3, 1997		Group: 2509		
	U.	S. PATEN	T DOCUMENTS				
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing D (If approp	
SU	4,239,346	12/1980	Цоуd	349	113		
W.	5,612,799	3/18/97	Yamazaki et al.	349	42	10/13/9	5
			$\sim$				
_		1					7
		1			X		
						1	-
	FOR	EIGN PAT	ENT DOCUMENTS		-	·	
	Document Number	Date	Country	Class	Subclass	Transl	ation No
8h	49-77537	7/26/74	Japan				X
	62-126677	6/8/87	Japan			Abst	
	63-10777 5 B 63 -100777	5/2/88	Japan			Abst	
	64-30272	2/1/89	Japan			Abst	
	2-188723	7/24/90	Japan			Abst	
	1-156725	6/1989	Japan	349	138	х	
en	2-210330	8/21/90	Japan			Abst	
	OTHER DOCUMENTS	(Including A	uthor, Title, Date. Pert	inent Pages,	Etc.)	•	
P-0-10-10-10-10-1		ı			1		
		-					$\overline{}$
		<del></del>					/
				$\overline{}$		$\times$	··-
		<del></del>			7	$\overline{}$	
		<del></del>			<del>-</del>		/
Examiner	4	- !	Date Considered	9/27	2004		
	R: Initial if citation considered, whether o	ı					